COPY OF PAPERS ORIGINALLY FILED

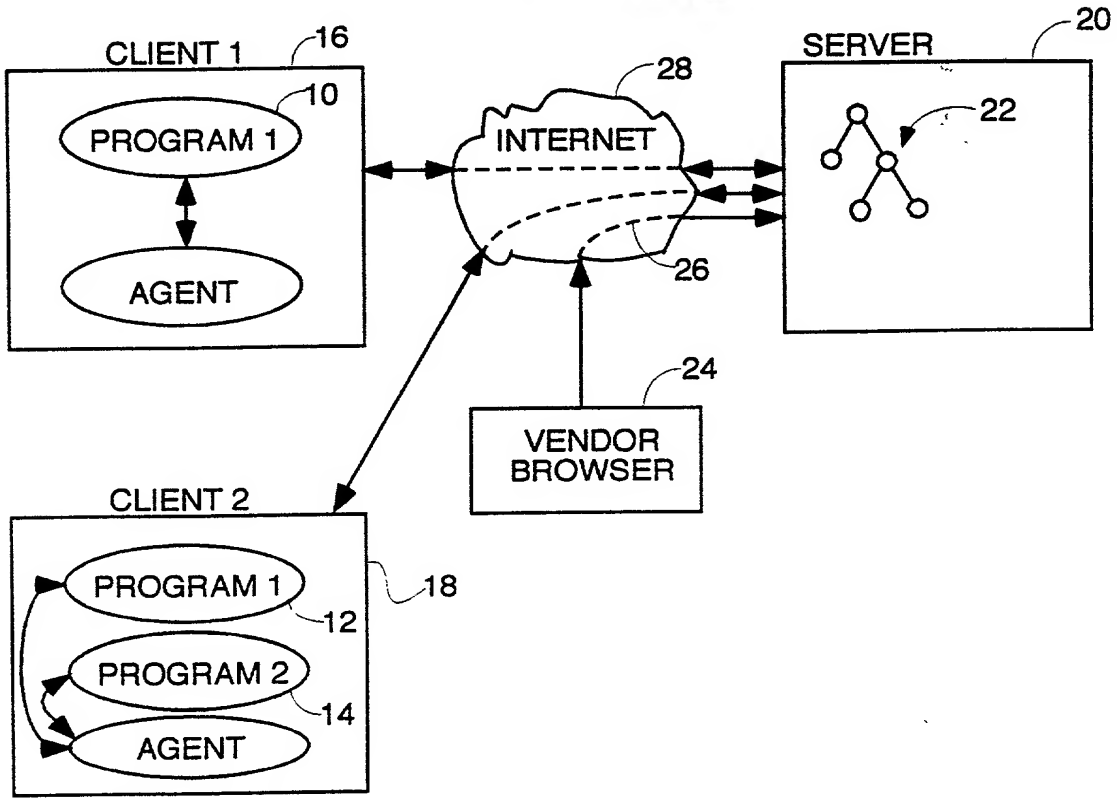

FIG. 1

09002900 - 050304

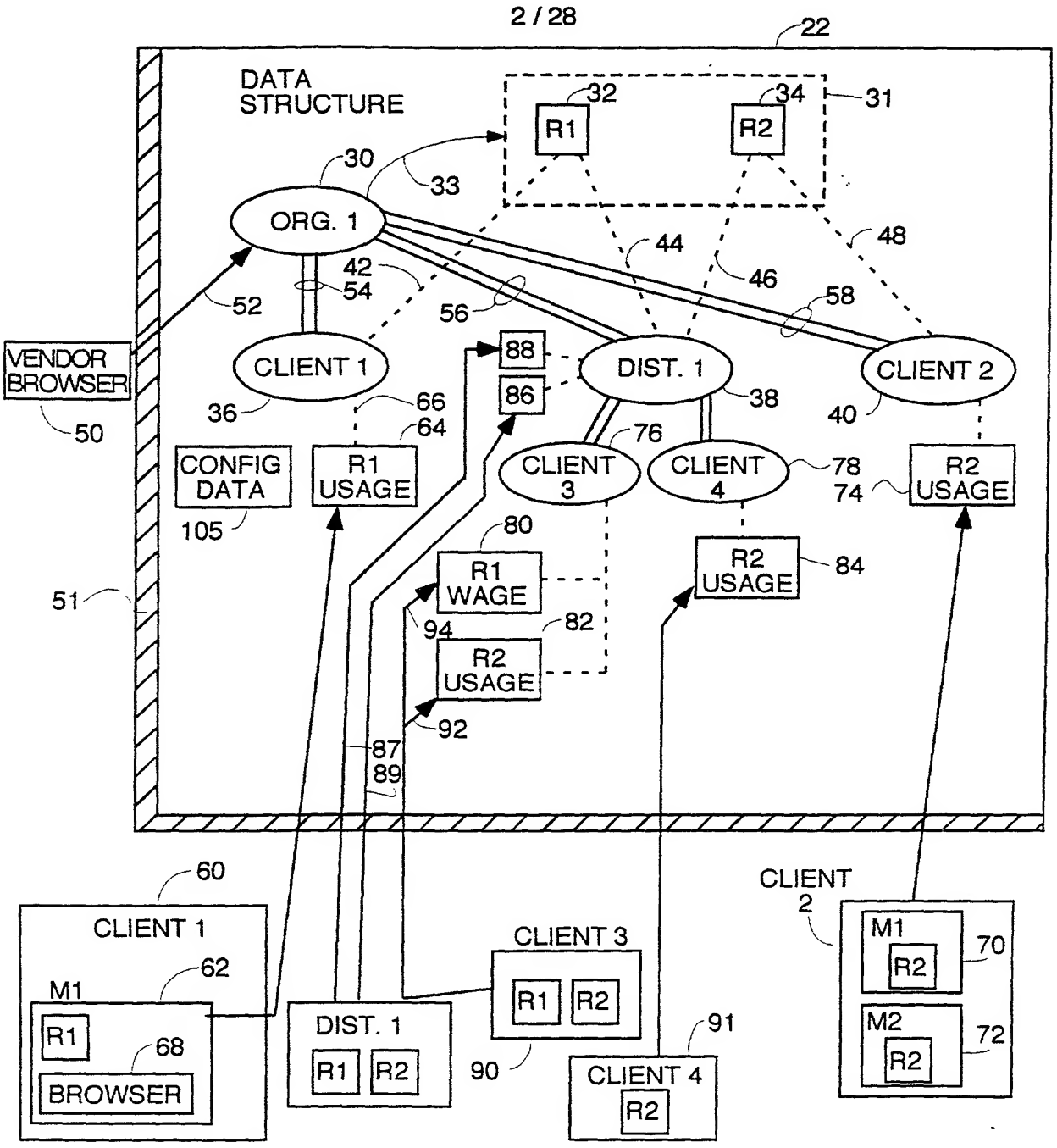
22
DATA STRUCTURE
R1
32
R2
34
31
30
33
ORG. 1
44
48
46
42
54
52
56
58
VENDOR BROWSER
50
CLIENT 1
88
86
DIST. 1
CLIENT 2
36
66
64
38
40
76
CONFIG DATA
105
R1 USAGE
CLIENT 3
CLIENT 4
78
74
R2 USAGE
80
R1 WAGE
R2 USAGE
84
51
94
82
R2 USAGE
92
87
89
60
CLIENT 1
62
M1
R1
68
BROWSER
DIST. 1
R1
R2
CLIENT 3
R1
R2
90
91
CLIENT 4
R2
CLIENT 2
M1
R2
70
M2
R2
72

FIG. 2

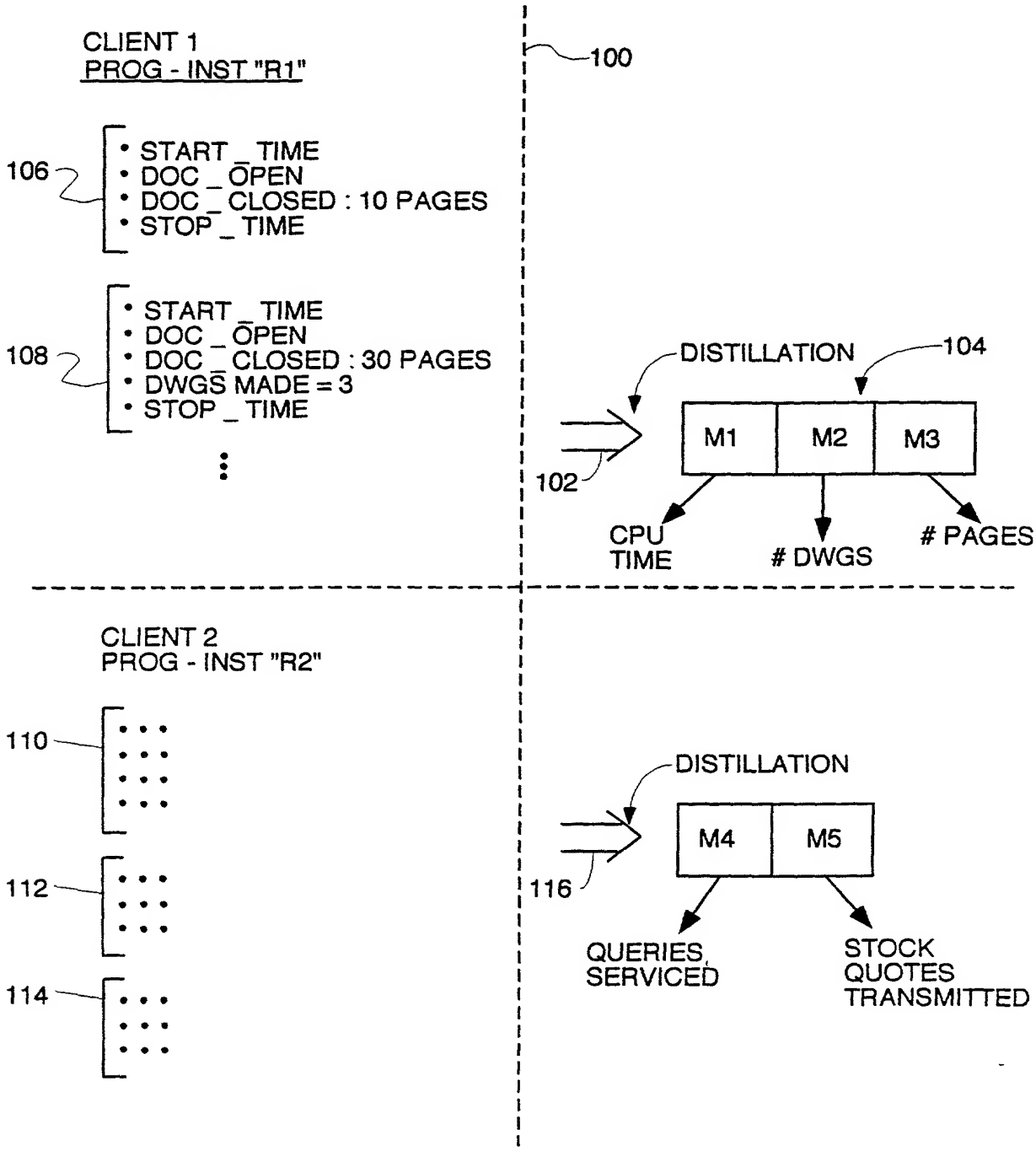
CLIENT 1
PROG - INST "R1"
100
106
• START _ TIME
• DOC _ OPEN
• DOC _ CLOSED : 10 PAGES
• STOP _ TIME
108
• START _ TIME
• DOC _ OPEN
• DOC _ CLOSED : 30 PAGES
• DWGS MADE = 3
• STOP _ TIME
DISTILLATION
104
M1
M2
M3
102
CPU TIME
DWGS
PAGES
CLIENT 2
PROG - INST "R2"
110
112
114
DISTILLATION
M4
M5
116
QUERIES SERVICED
STOCK QUOTES TRANSMITTED

FIG. 3

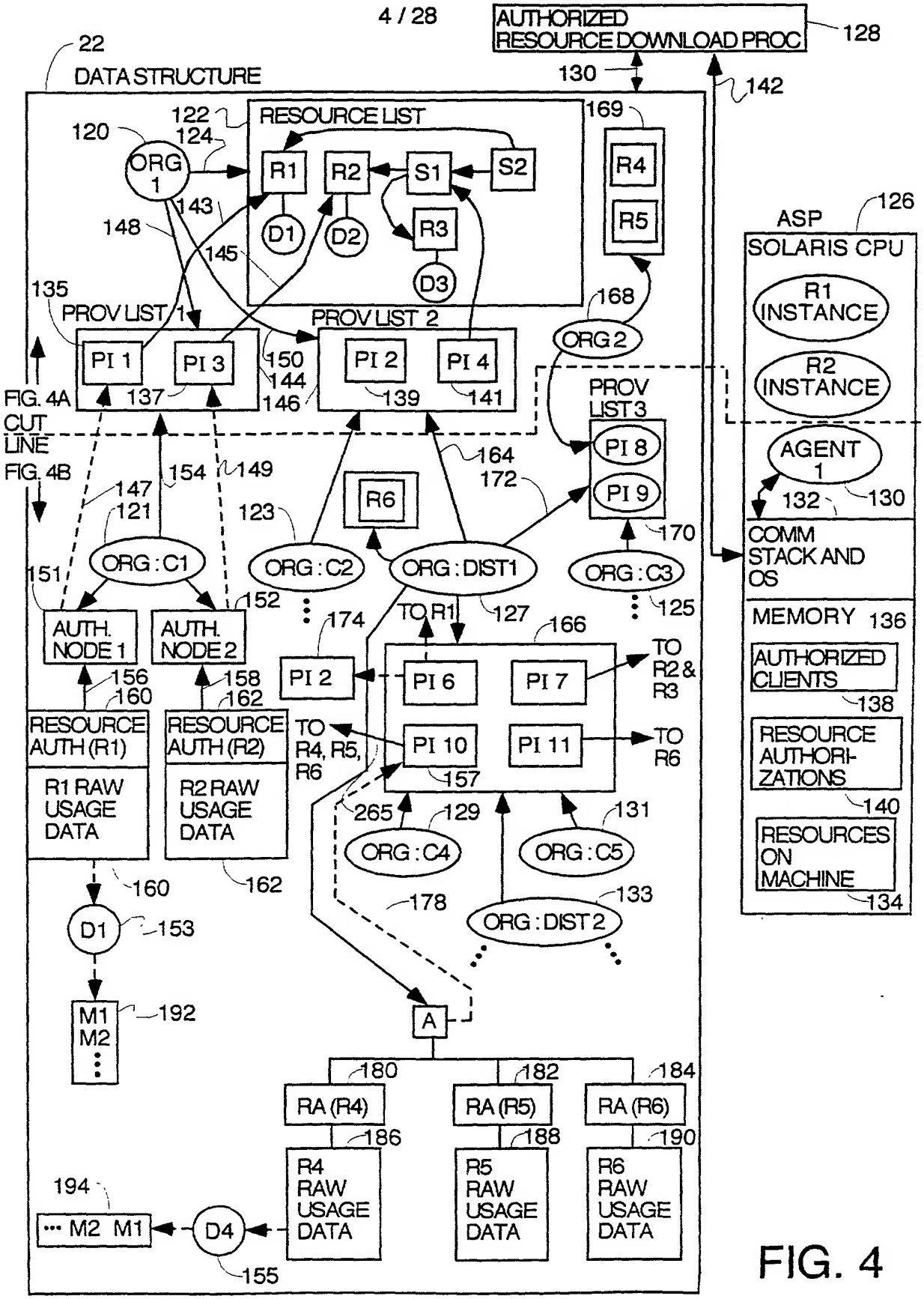

FIG. 4

4000390 - 030802

4000250-030402

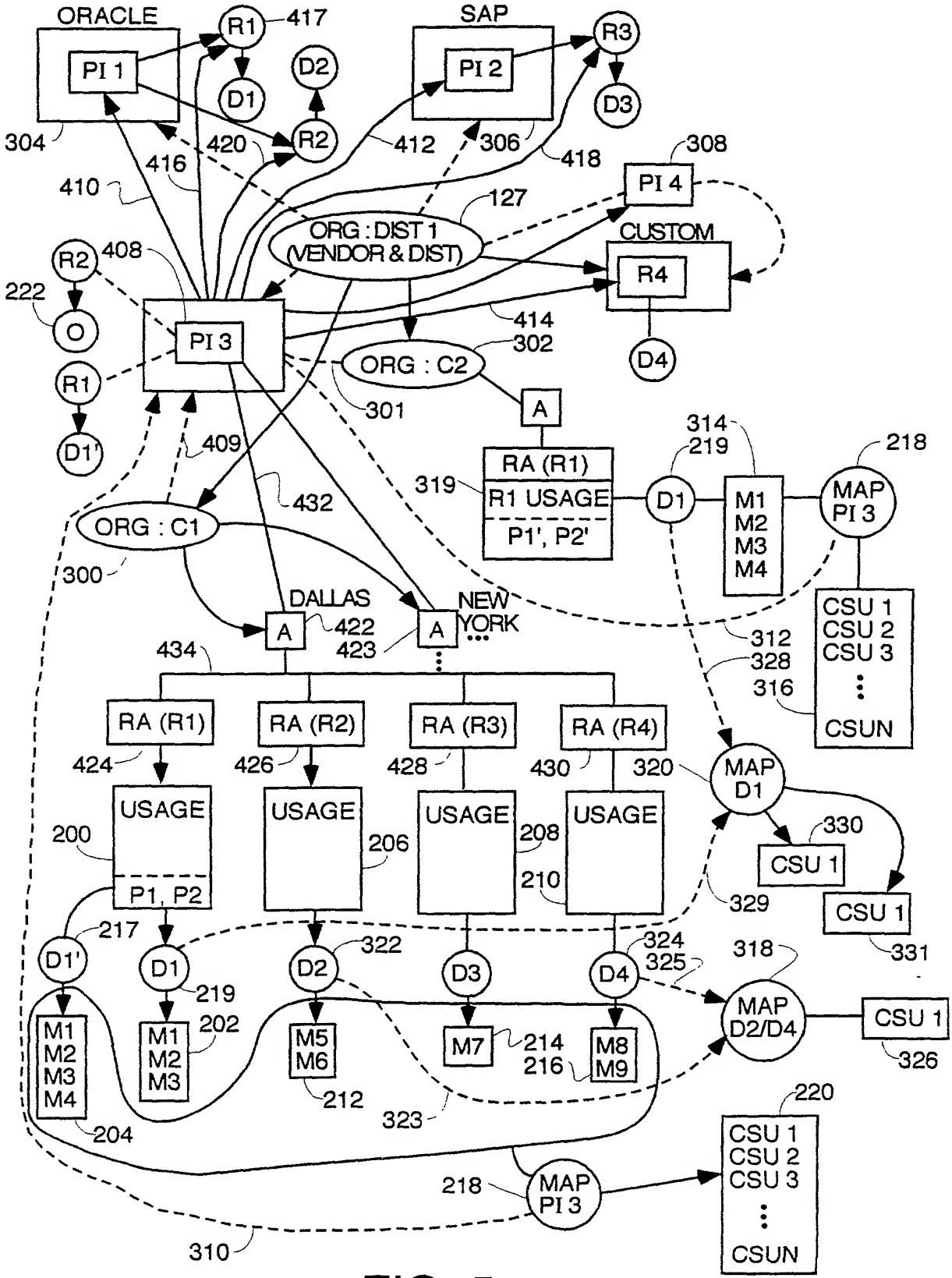

FIG. 5

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA BY A PROGRAMMABLE MAPPING

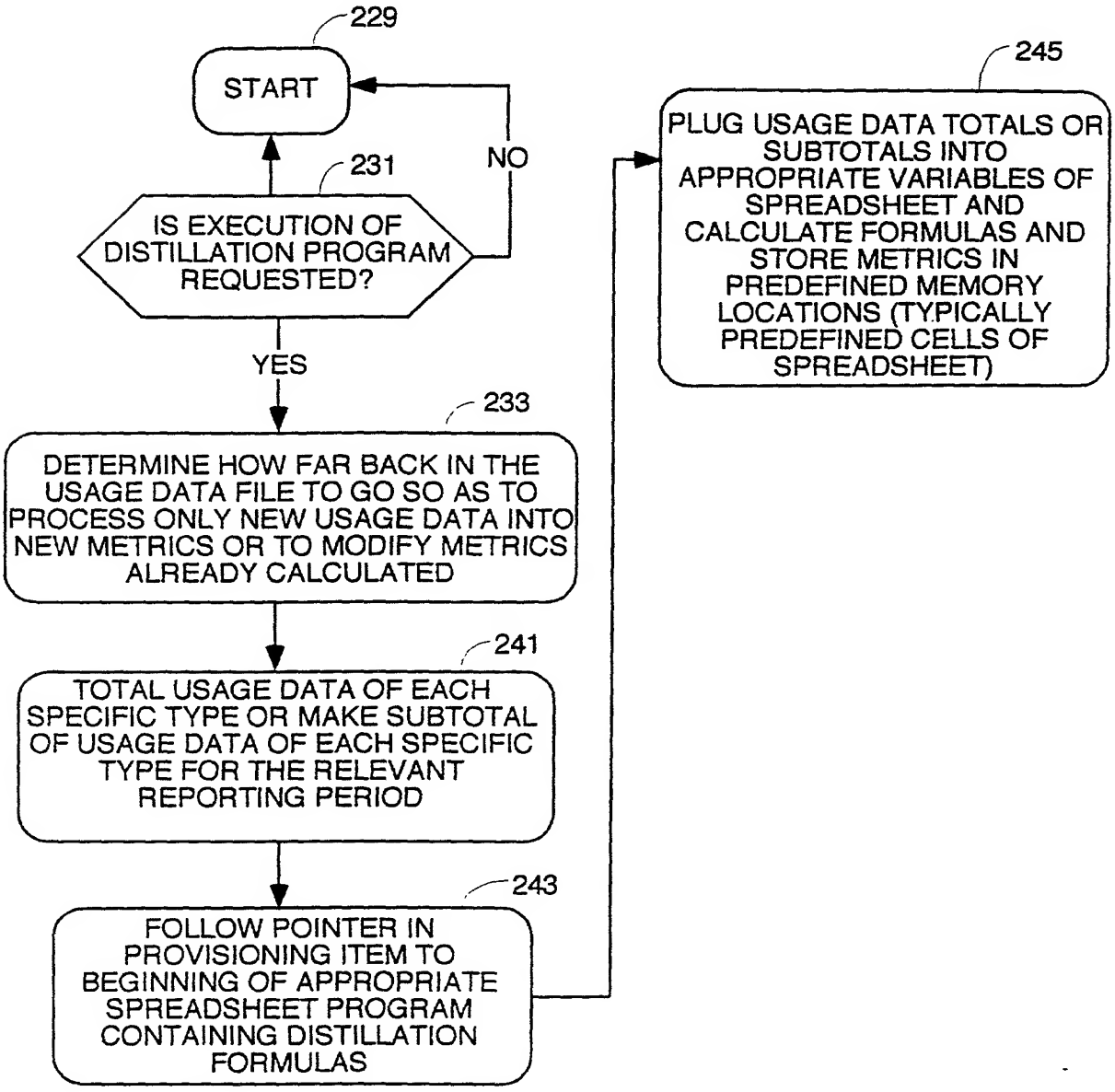

FIG. 6A

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

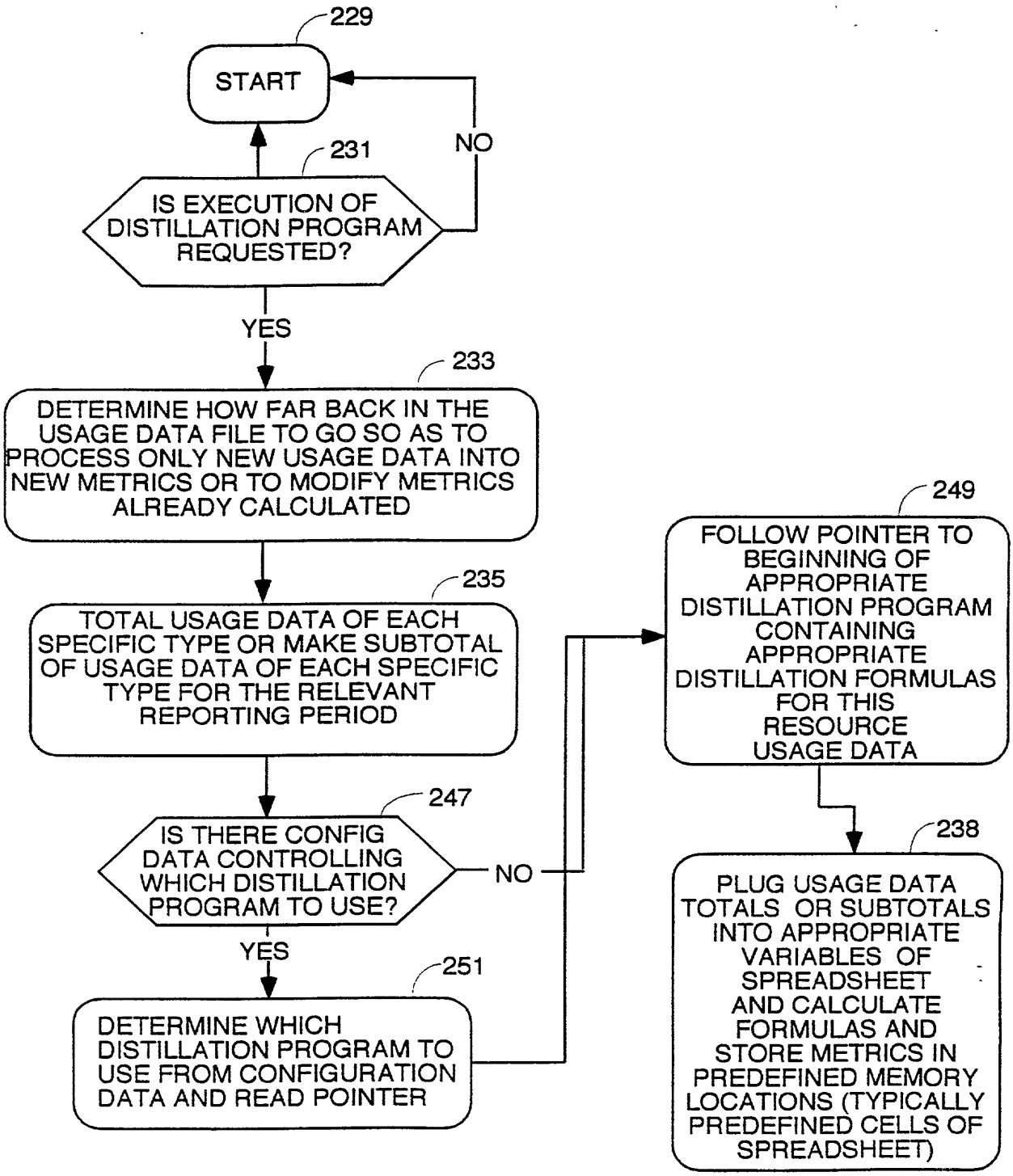

FIG. 6B

PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS OF THE CUSTOMER'S DESIGN

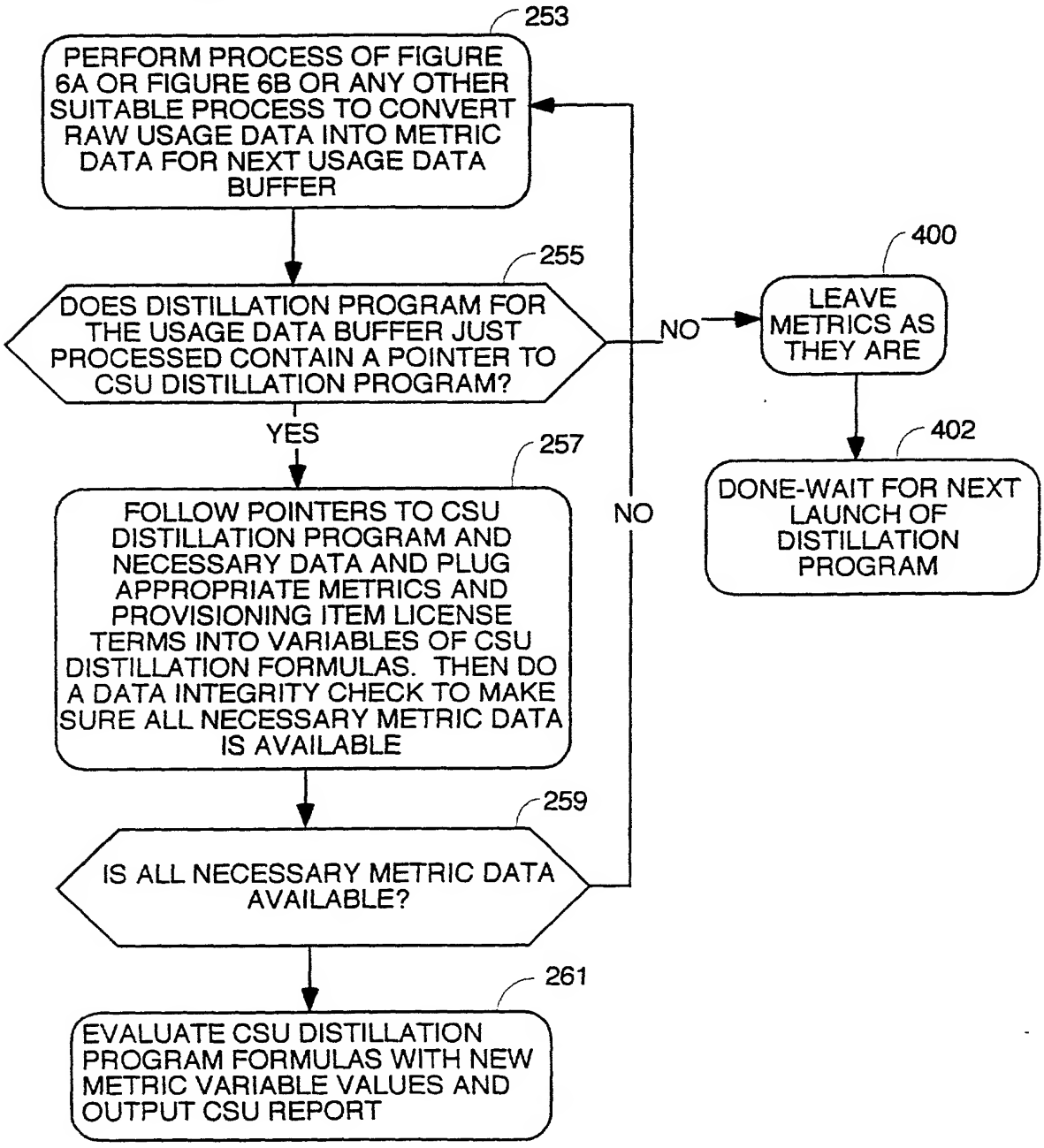

FIG. 7

Microsoft Corporation Exhibit 1002 Page 0032

OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS THEREFROM

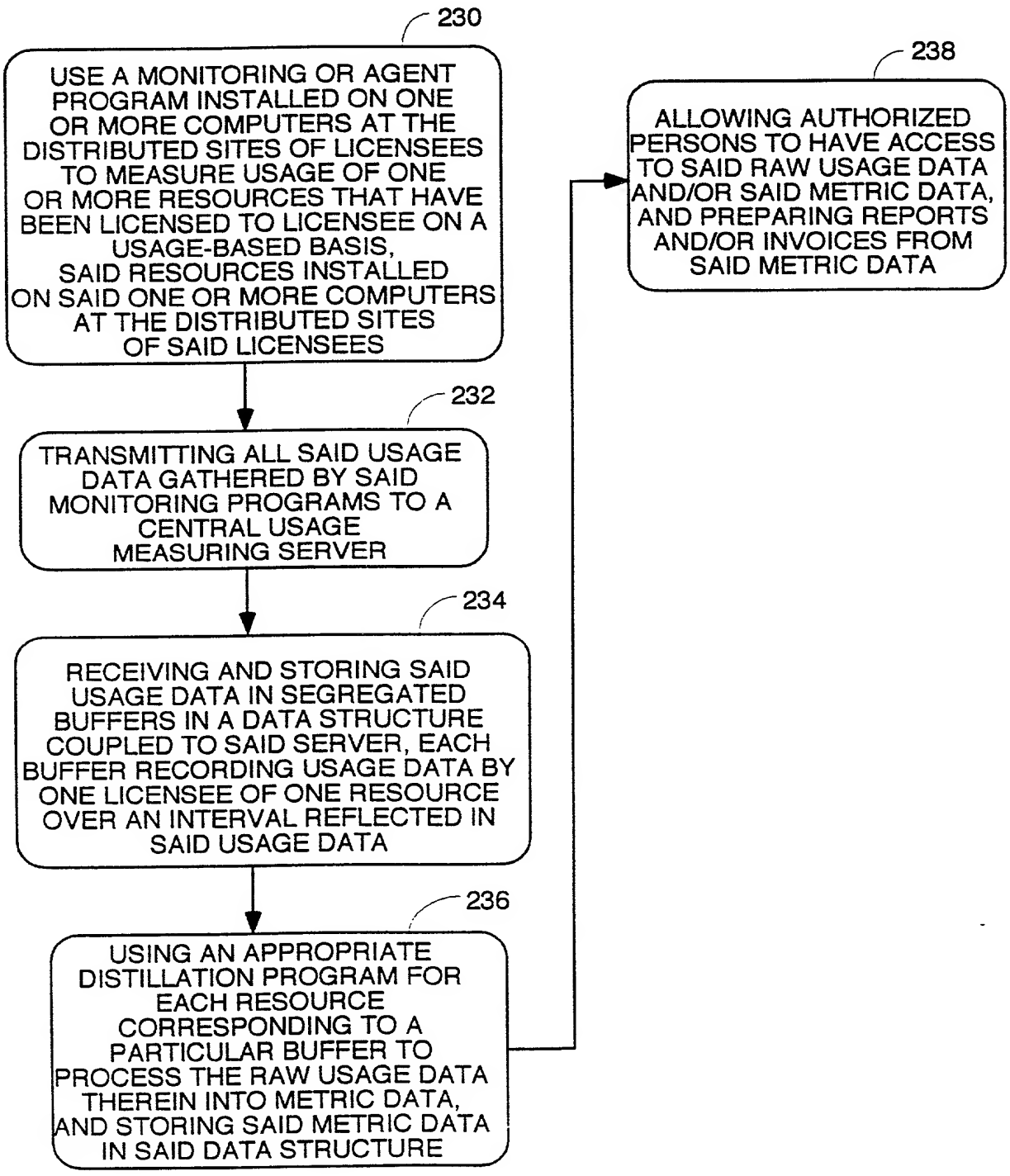

FIG. 8

EXHIBIT 1008

PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND ALLOW RESTRICTED ACCESS THERETO

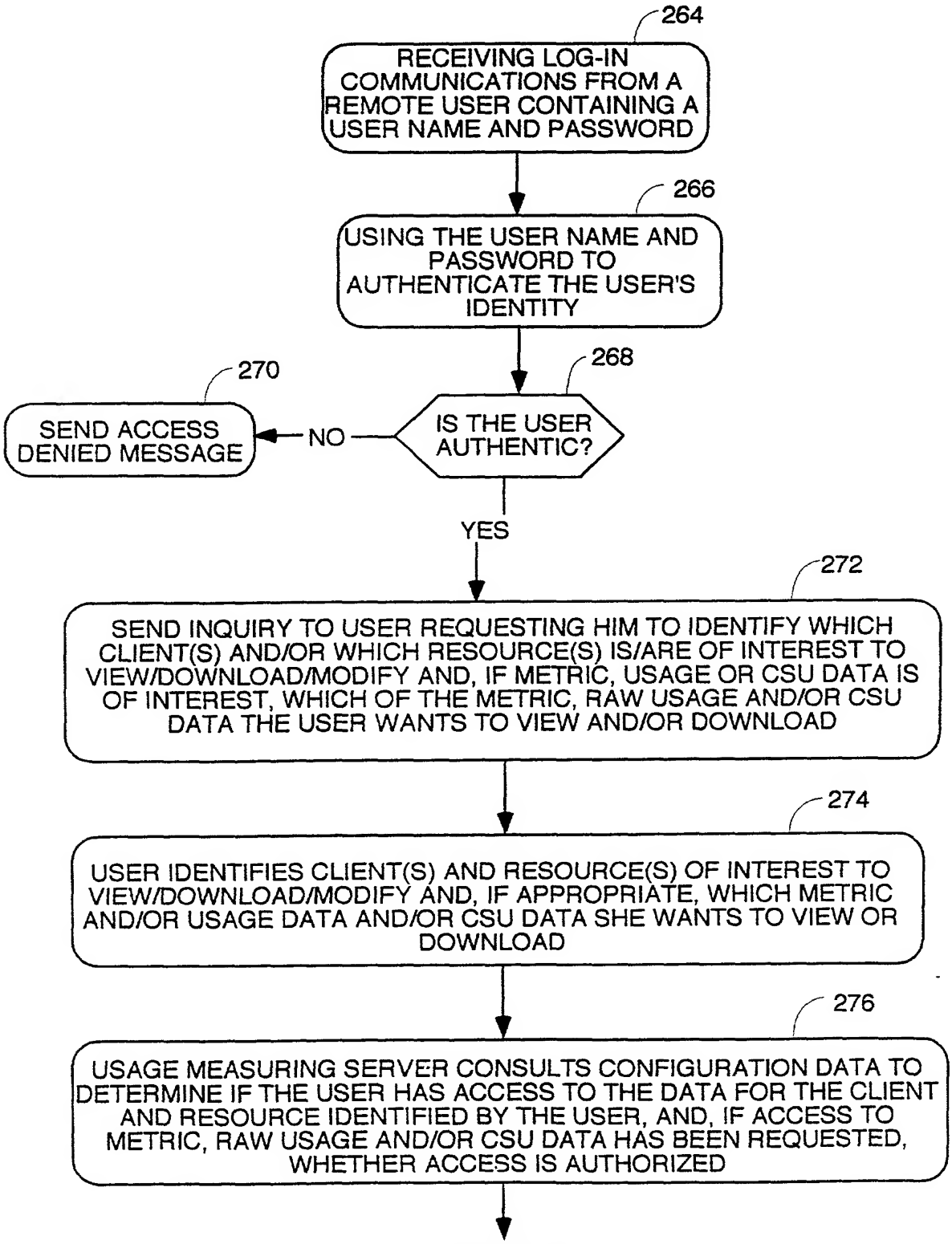

FIG. 9A

10002900 - 034602

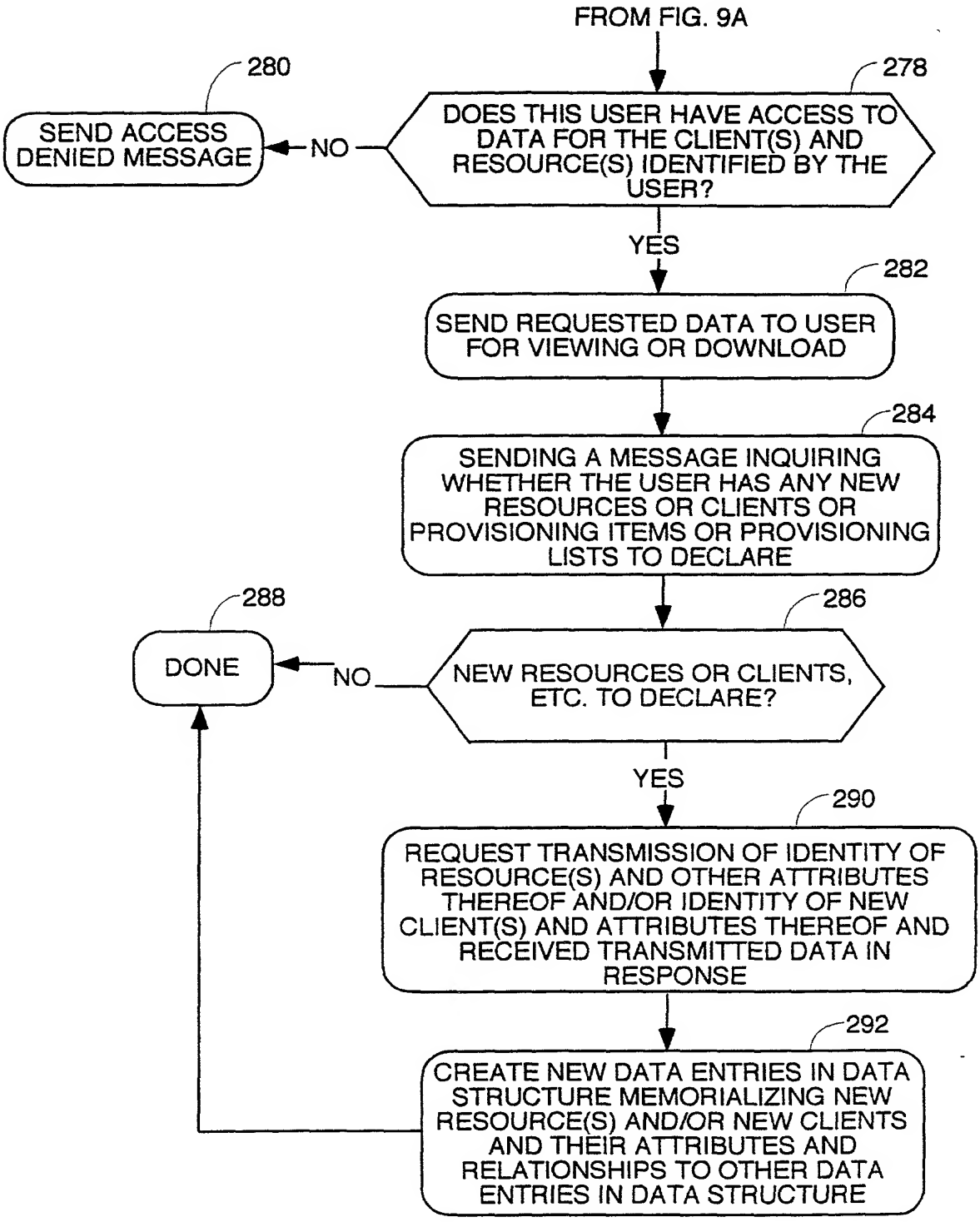
FROM FIG. 9A
278
DOES THIS USER HAVE ACCESS TO DATA FOR THE CLIENT(S) AND RESOURCE(S) IDENTIFIED BY THE USER?
NO
280
SEND ACCESS DENIED MESSAGE
YES
282
SEND REQUESTED DATA TO USER FOR VIEWING OR DOWNLOAD
284
SENDING A MESSAGE INQUIRING WHETHER THE USER HAS ANY NEW RESOURCES OR CLIENTS OR PROVISIONING ITEMS OR PROVISIONING LISTS TO DECLARE
286
NEW RESOURCES OR CLIENTS, ETC. TO DECLARE?
NO
288
DONE
YES
290
REQUEST TRANSMISSION OF IDENTITY OF RESOURCE(S) AND OTHER ATTRIBUTES THEREOF AND/OR IDENTITY OF NEW CLIENT(S) AND ATTRIBUTES THEREOF AND RECEIVED TRANSMITTED DATA IN RESPONSE
292
CREATE NEW DATA ENTRIES IN DATA STRUCTURE MEMORIALIZING NEW RESOURCE(S) AND/OR NEW CLIENTS AND THEIR ATTRIBUTES AND RELATIONSHIPS TO OTHER DATA ENTRIES IN DATA STRUCTURE

FIG. 9B

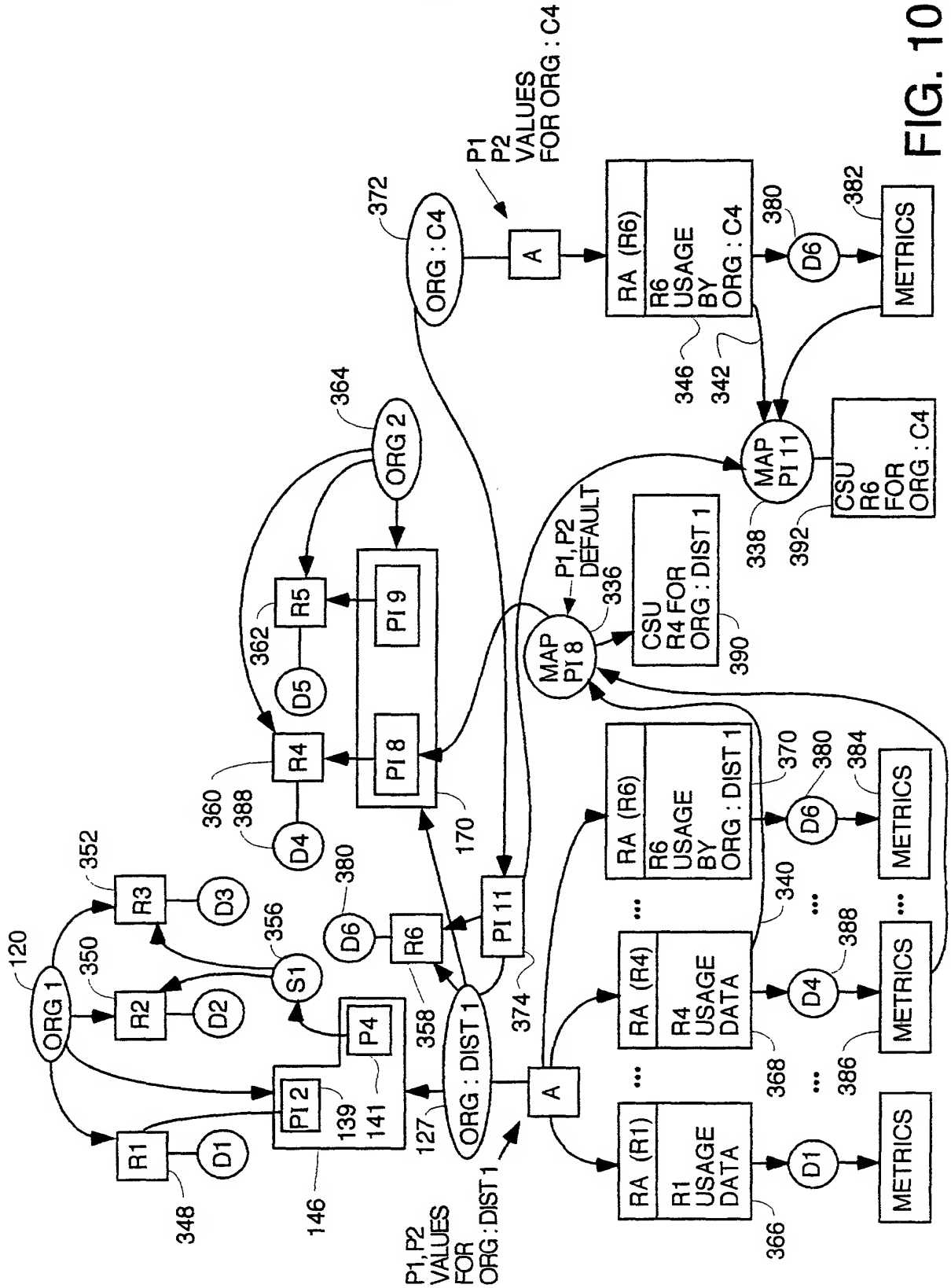
ORG 1
ORG 2
ORG : DIST 1
ORG : C4
R1
R2
R3
R4
R5
R6
D1
D2
D3
D4
D5
D6
S1
P4
PI 2
PI 8
PI 9
PI 11
A
MAP PI 8
MAP PI 11
P1, P2 DEFAULT
P1 P2 VALUES FOR ORG : C4
P1, P2 VALUES FOR ORG : DIST 1
CSU R4 FOR ORG : DIST 1
CSU R6 FOR ORG : C4
RA (R1) R1 USAGE DATA
RA (R4) R4 USAGE DATA
RA (R6) R6 USAGE BY ORG : DIST 1
RA (R6) R6 USAGE BY ORG : C4
METRICS
120
127
139
141
146
170
348
350
352
356
358
360
362
364
366
368
370
372
374
380
382
384
386
388
390
392
336
338
340
342
346

FIG. 10

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

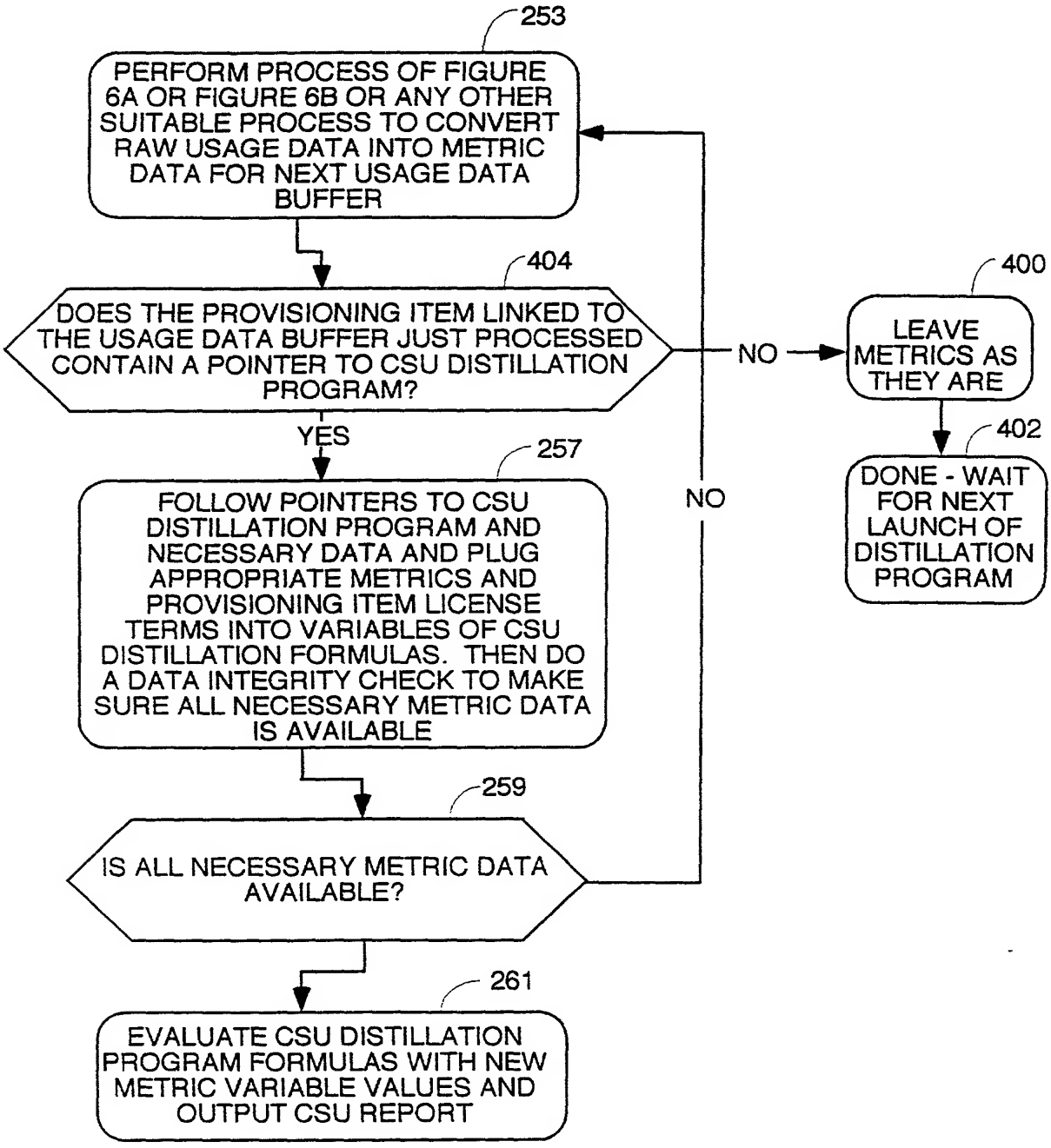

FIG. 11

Page 13 - 09/30/2005

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

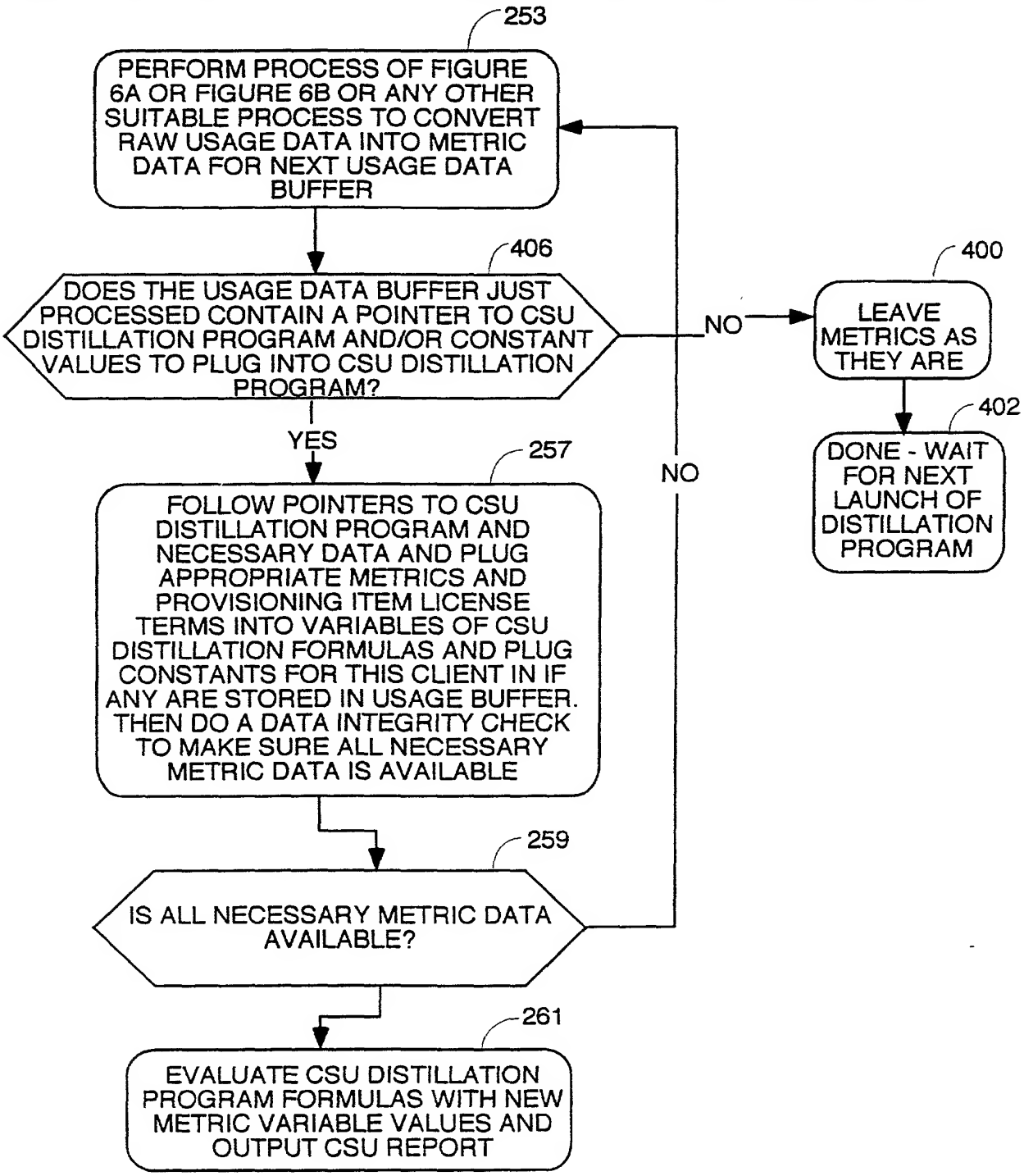

FIG. 12

Page 00004 of 00036

PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

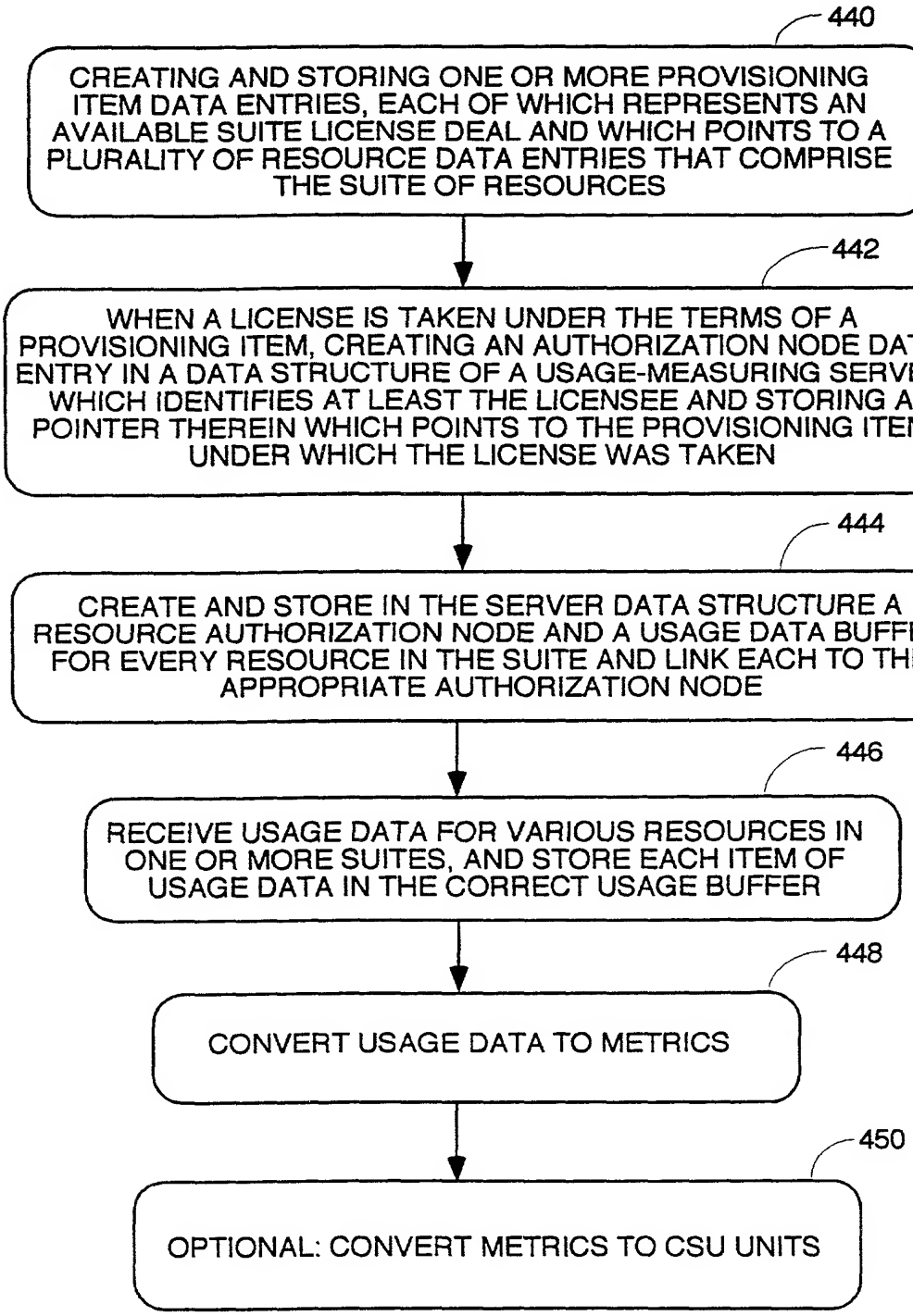

FIG. 13

EXHIBIT 1008

ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

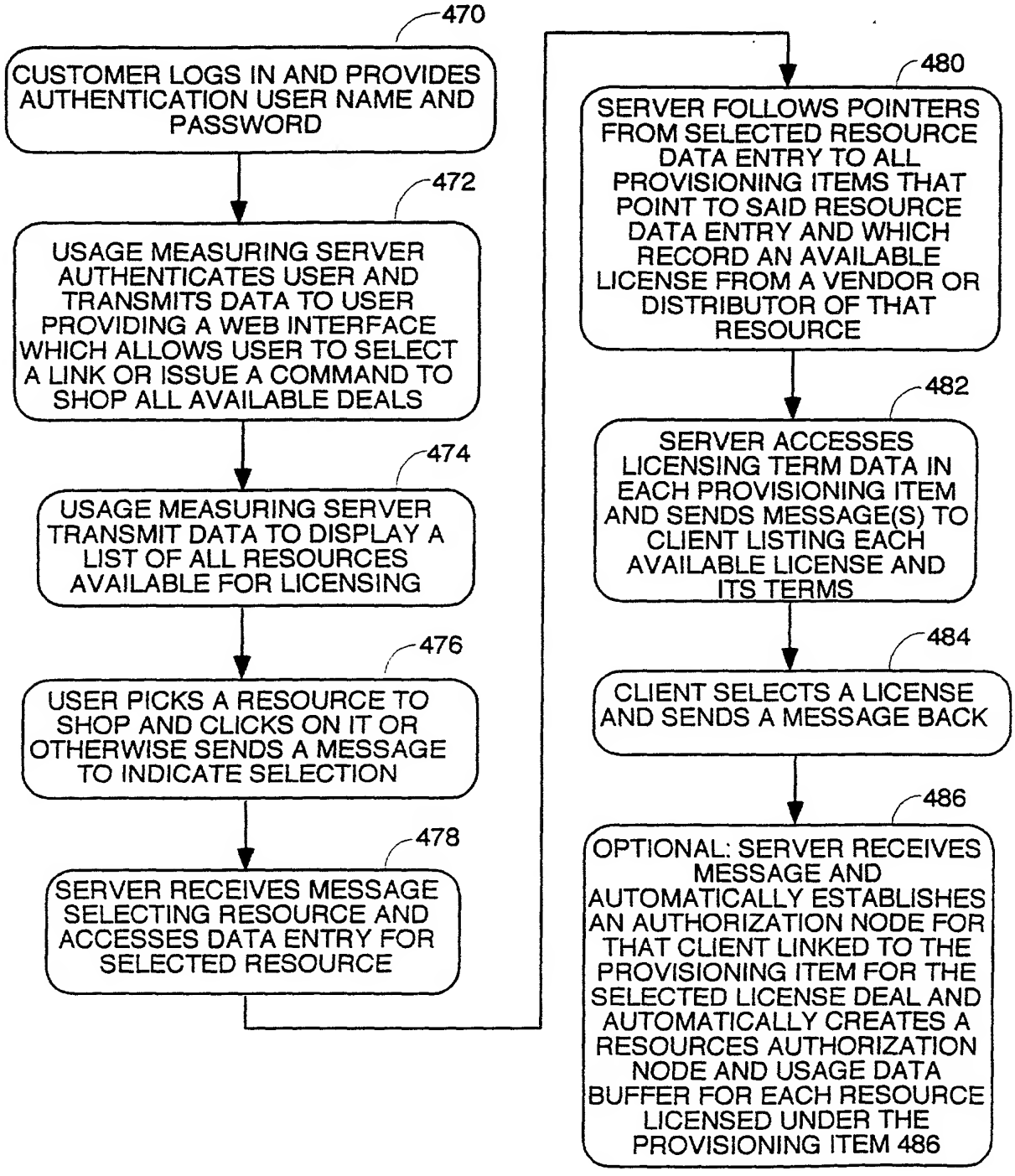

FIG. 14

Docket No. COM-002.7D

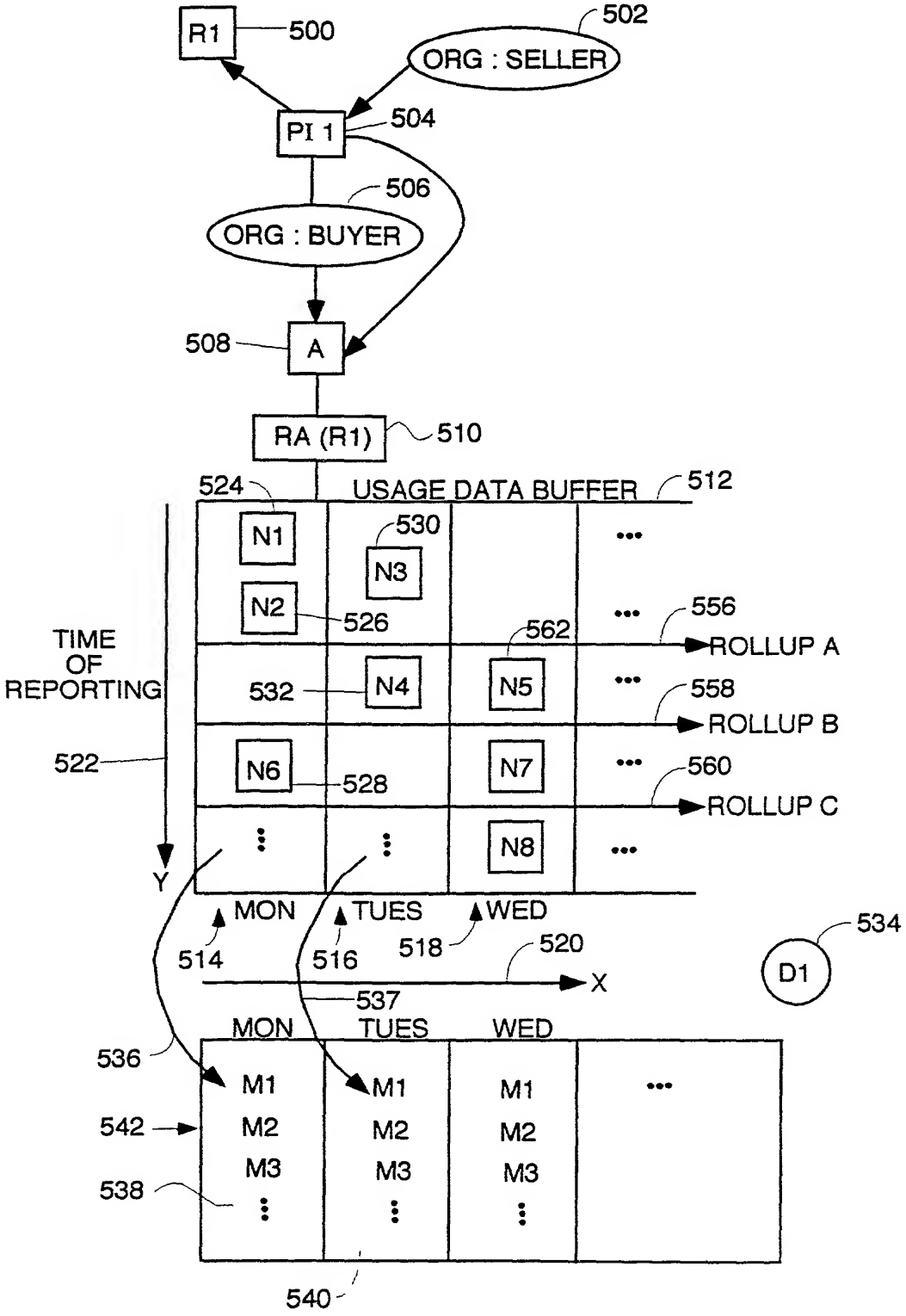
R1
500
502
ORG : SELLER
PI 1
504
506
ORG : BUYER
508
A
RA (R1)
510
524
USAGE DATA BUFFER
512
N1
530
N3
N2
526
556
562
ROLLUP A
TIME
OF
REPORTING
532
N4
N5
558
ROLLUP B
522
N6
528
N7
560
ROLLUP C
N8
Y
MON
TUES
WED
514
516
518
520
534
D1
X
537
MON
TUES
WED
536
M1
M1
M1
542
M2
M2
M2
M3
M3
M3
538
540

FIG. 15

PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS AND GENERATE METRICS THEREFROM

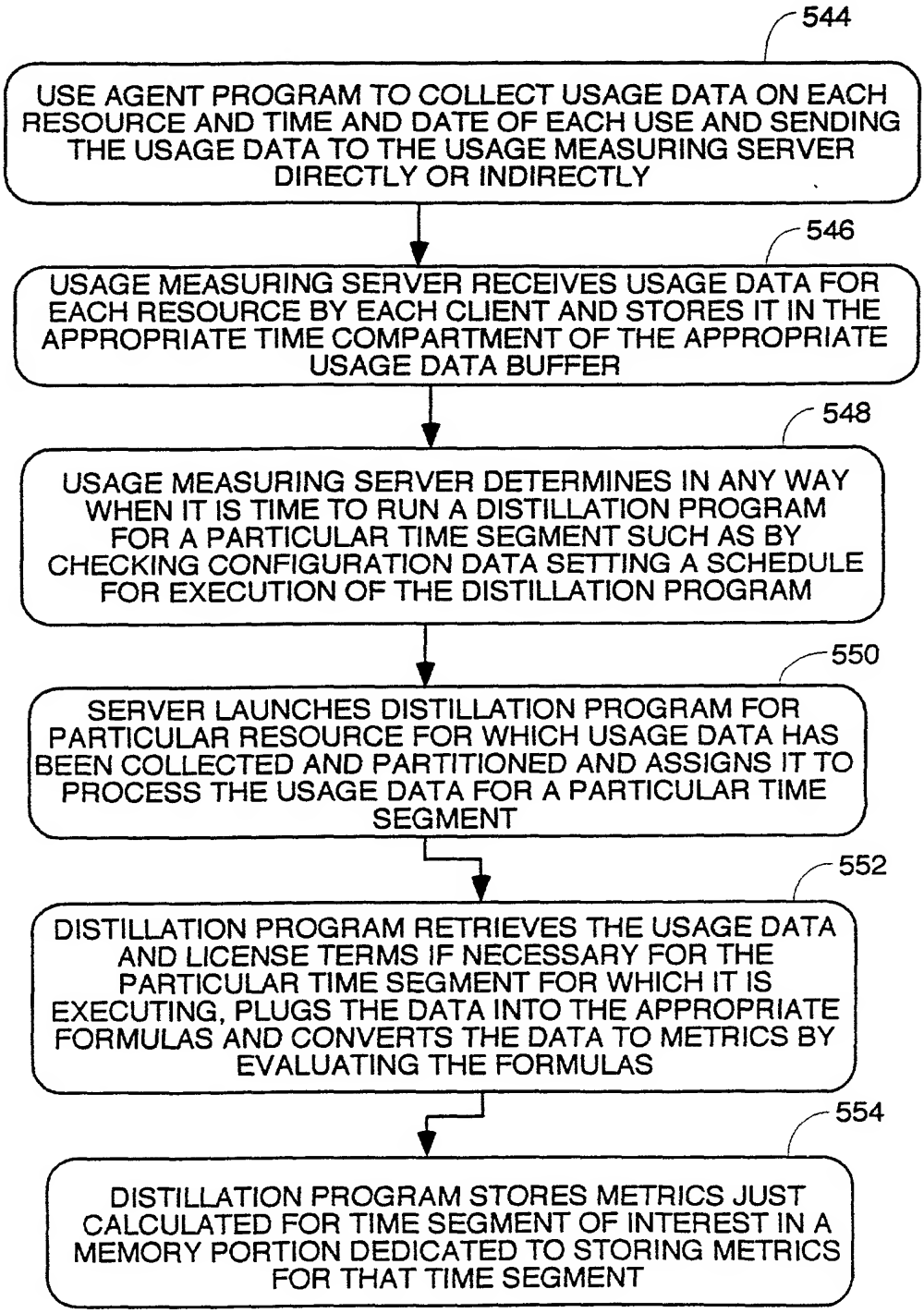

FIG. 16

Doc Code: Oath

ROLLUP A ID 39

	MON	TUES	WED	...
M1= CPU	10	1	0	...
M2= DOCS	500	50	0	...
M3= #PGS	759	71	0	...
	⋮	⋮	⋮	

FIG. 17

ALTERNATIVE ROLLUP B ID 40

MON	TUES	WED
0	3	2
0	70	40
0	139	96

FIG. 18

PREFERRED ROLLUP B ID 50

MON	TUES	WED	
10	4	2	
500	120	40	
759	210	96	

FIG. 19

ALTERNATIVE ROLLUP B ID 40

MON	TUES	WED
0	4	2
0	120	40
0	210	96

FIG. 20

Microsoft Corporation Exhibit 1004

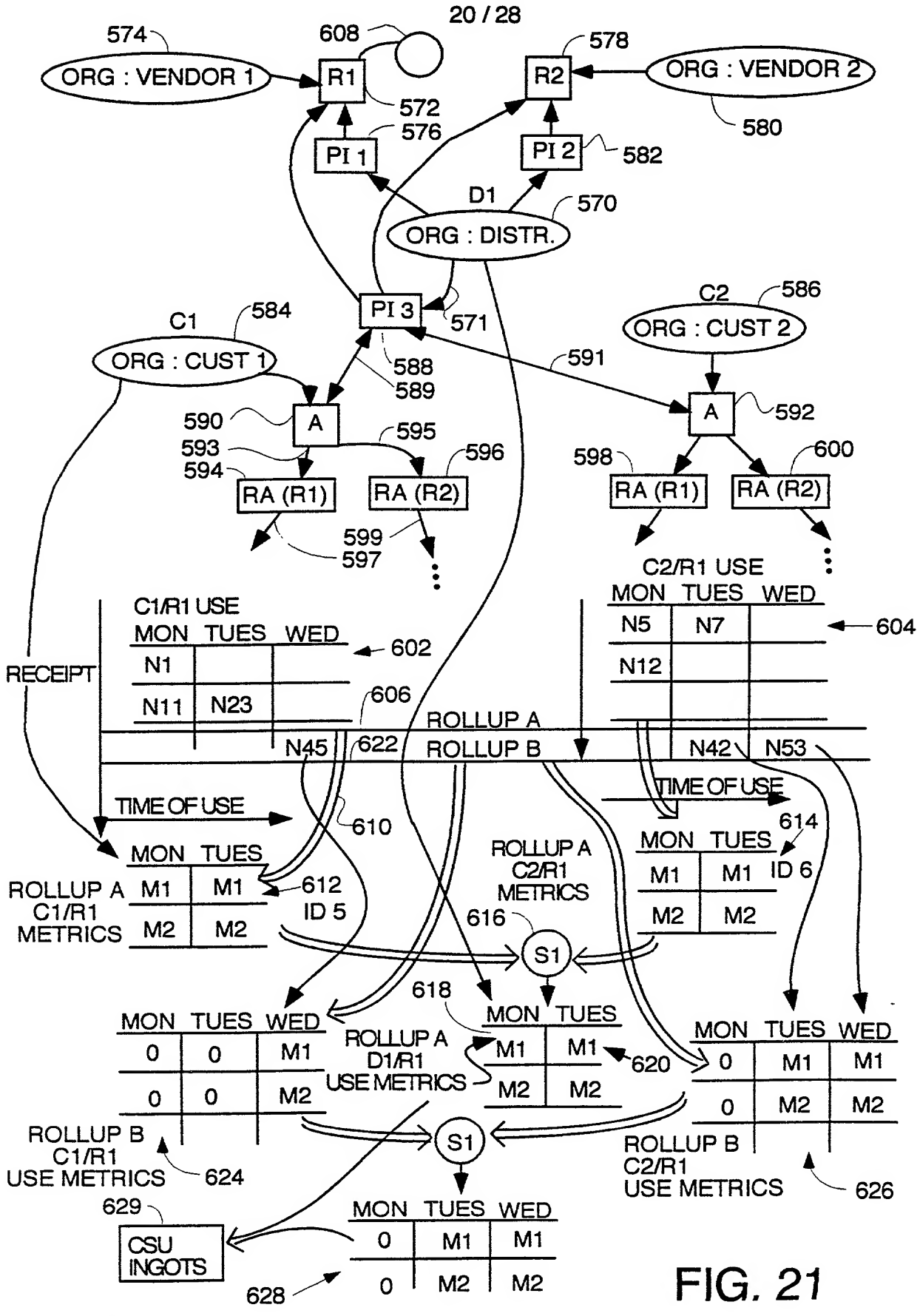
574
608
578
ORG : VENDOR 1
R1
R2
ORG : VENDOR 2
572
580
576
PI 1
PI 2
582
D1
570
ORG : DISTR.
C2
586
C1
584
PI 3
571
ORG : CUST 1
ORG : CUST 2
588
589
591
590
A
A
592
595
593
596
598
600
594
RA (R1)
RA (R2)
RA (R1)
RA (R2)
599
597
C2/R1 USE
MON TUES WED
C1/R1 USE
MON TUES WED
N5 N7
604
602
RECEIPT
N1
N12
N11 N23
606
ROLLUP A
N45
622
ROLLUP B
N42 N53
TIME OF USE
TIME OF USE
614
610
MON TUES
MON TUES
ROLLUP A
C2/R1
METRICS
ROLLUP A
C1/R1
METRICS
M1 M1
612
ID 5
M1 M1
ID 6
M2 M2
M2 M2
616
S1
618
MON TUES WED
MON TUES
MON TUES WED
0 0 M1
ROLLUP A
D1/R1
USE METRICS
M1 M1
620
0 M1 M1
0 0 M2
M2 M2
0 M2 M2
ROLLUP B
C1/R1
USE METRICS
624
S1
ROLLUP B
C2/R1
USE METRICS
626
629
MON TUES WED
CSU
INGOTS
0 M1 M1
628
0 M2 M2

FIG. 21

PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

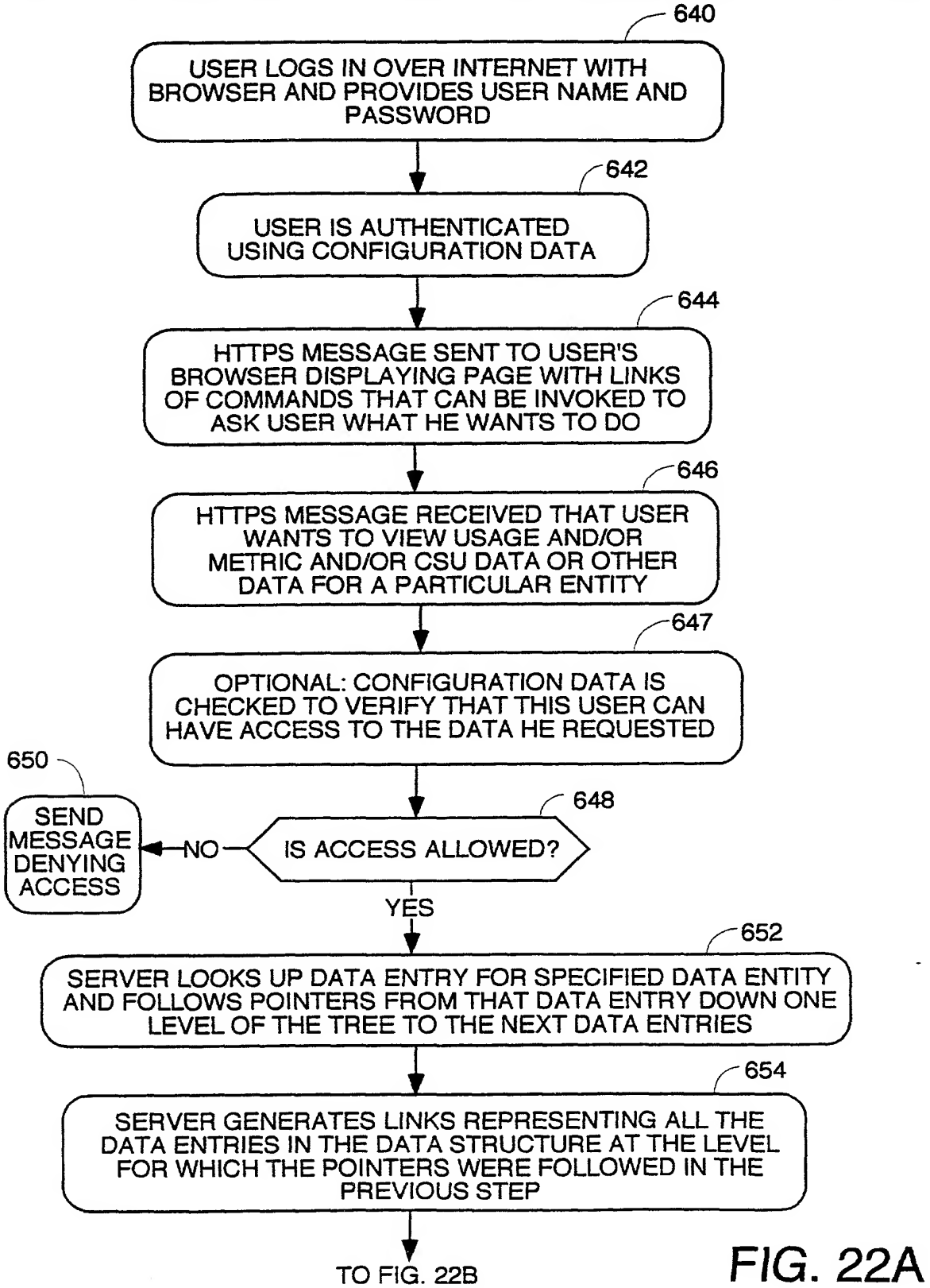

FIG. 22A

10002900-030802

FROM FIG. 22A

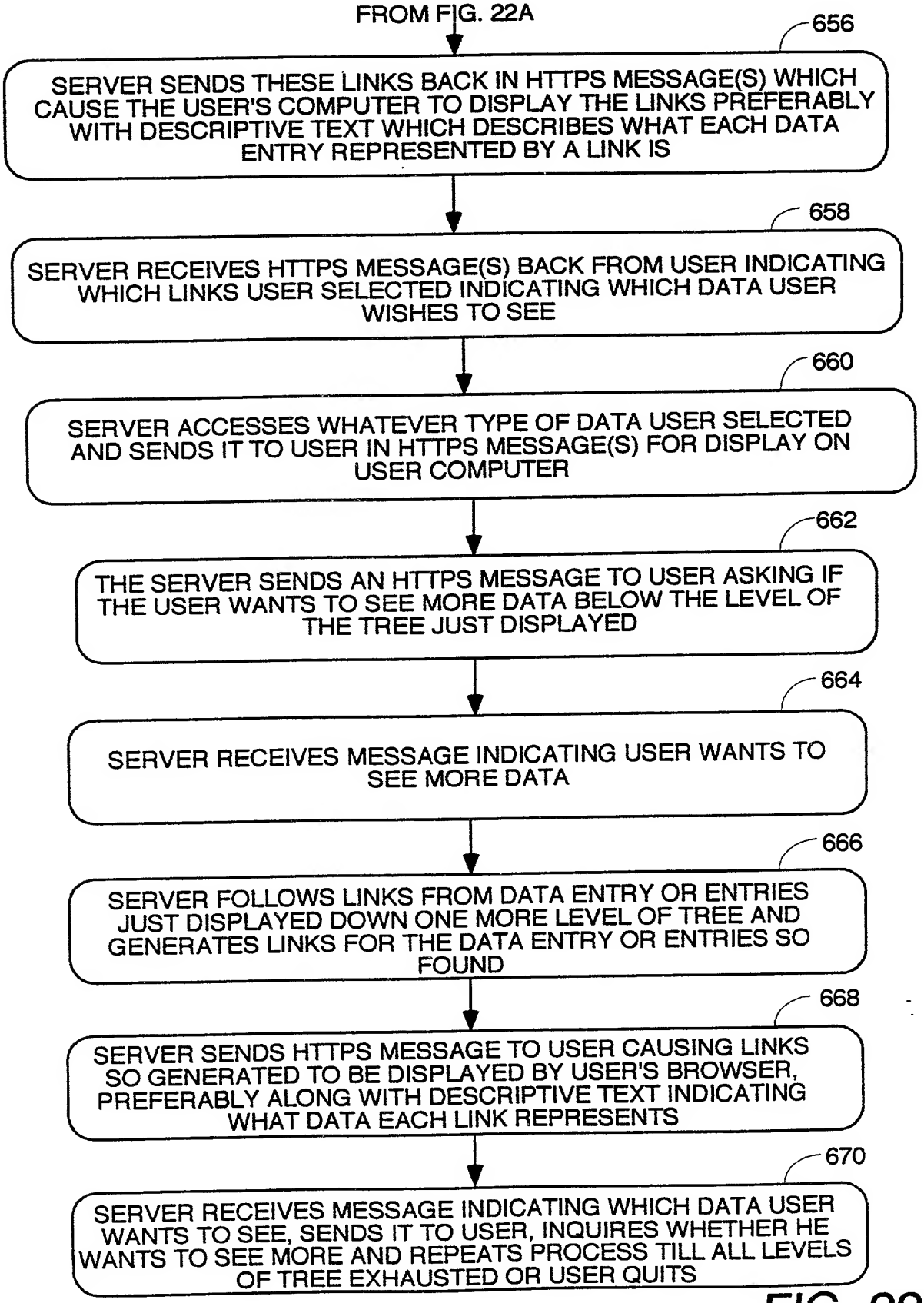

FIG. 22B

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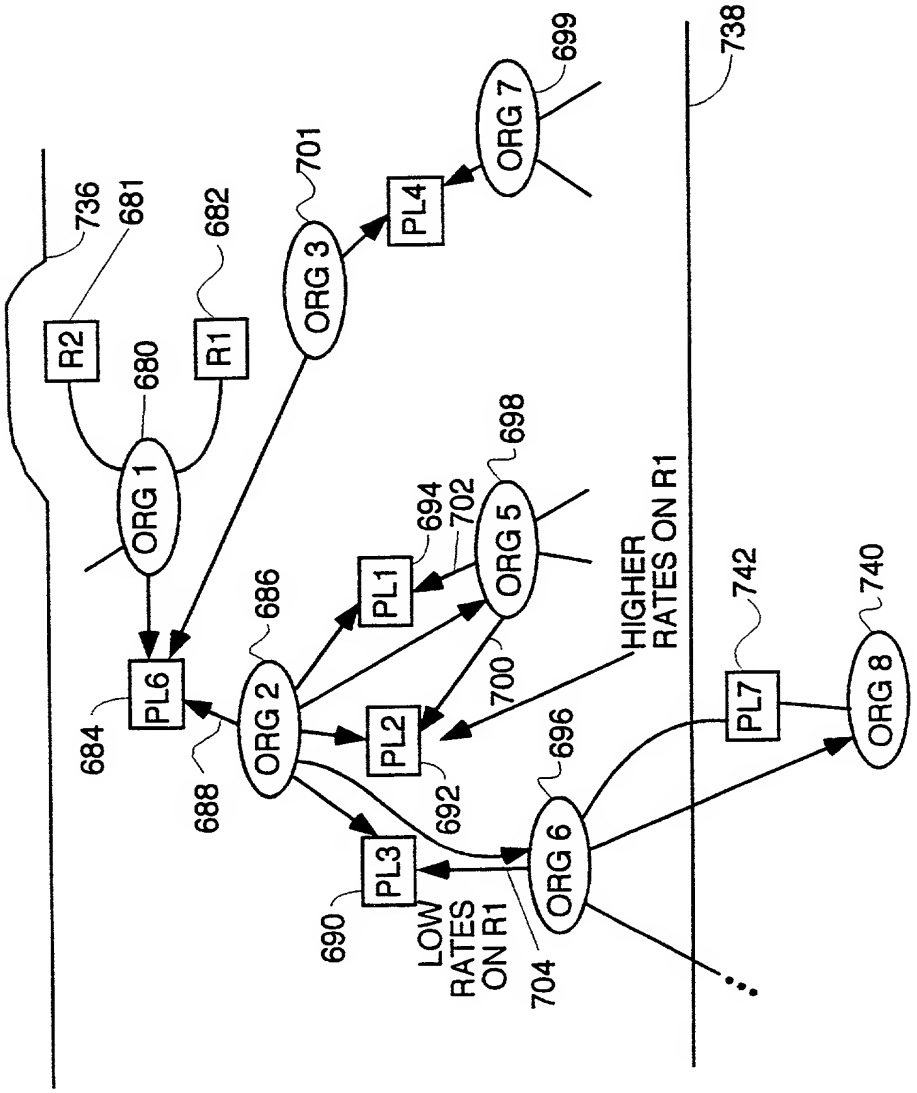
738
699
ORG 7
701
PL4
736
681
682
ORG 3
R2
R1
680
ORG 1
698
694
702
ORG 5
PL1
686
HIGHER RATES ON R1
742
740
PL6
684
ORG 2
PL2
700
PL7
ORG 8
696
688
692
PL3
ORG 6
690
LOW RATES ON R1
704
SECURITY BARRIERS

FIG. 23

A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER NOT AUTHORIZED TO VIEW

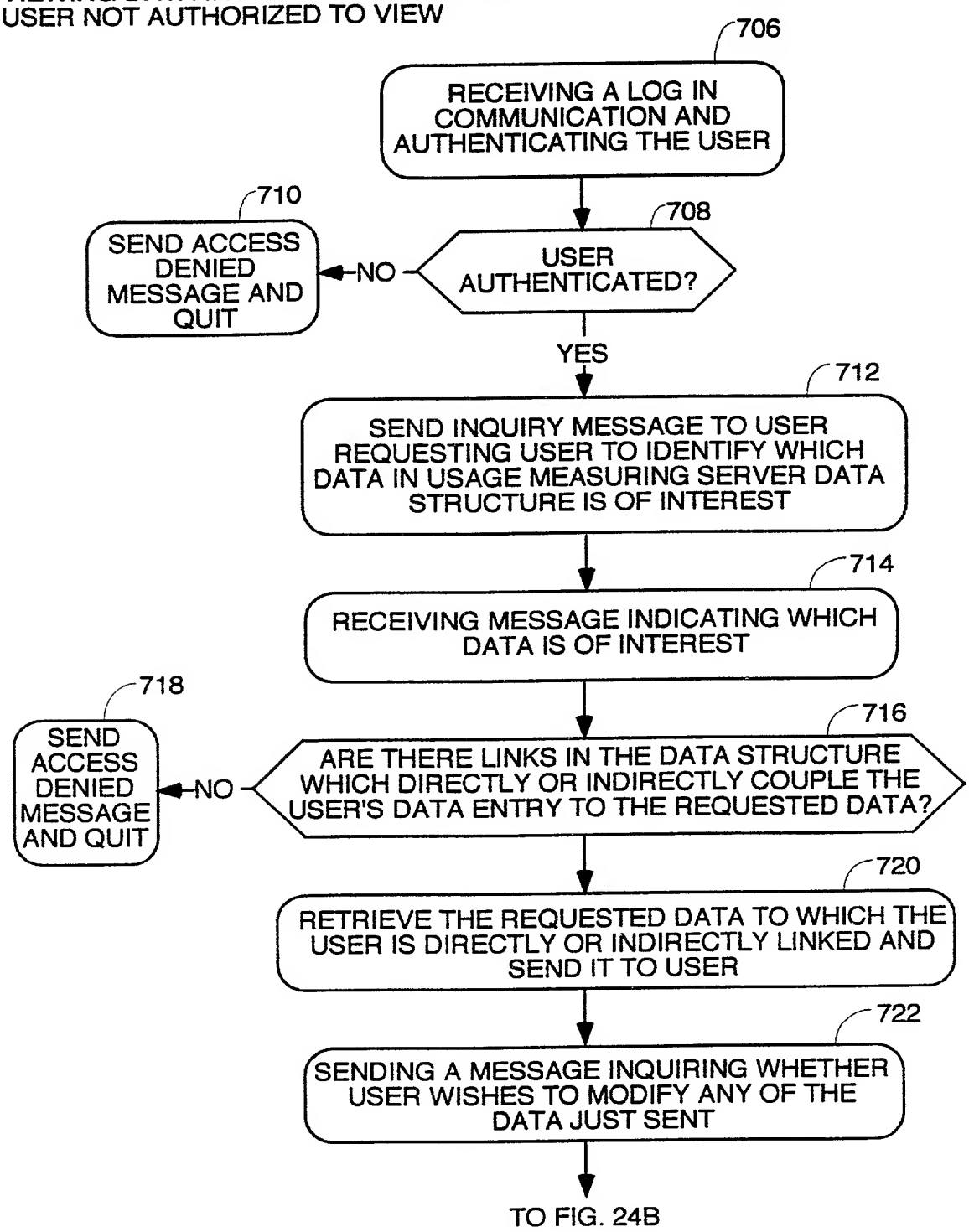

FIG. 24A

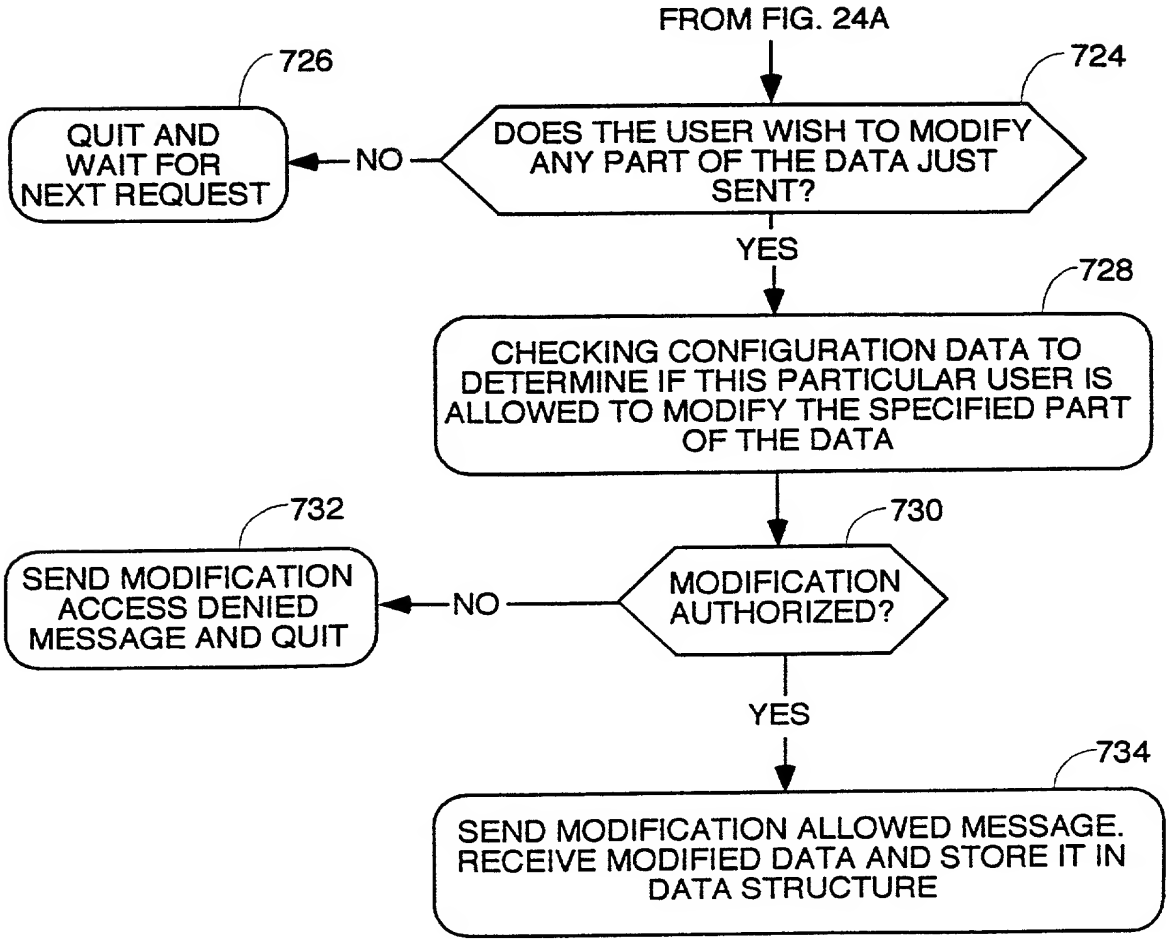
FROM FIG. 24A
724
DOES THE USER WISH TO MODIFY ANY PART OF THE DATA JUST SENT?
NO
726
QUIT AND WAIT FOR NEXT REQUEST
YES
728
CHECKING CONFIGURATION DATA TO DETERMINE IF THIS PARTICULAR USER IS ALLOWED TO MODIFY THE SPECIFIED PART OF THE DATA
730
MODIFICATION AUTHORIZED?
NO
732
SEND MODIFICATION ACCESS DENIED MESSAGE AND QUIT
YES
734
SEND MODIFICATION ALLOWED MESSAGE. RECEIVE MODIFIED DATA AND STORE IT IN DATA STRUCTURE

FIG. 24B

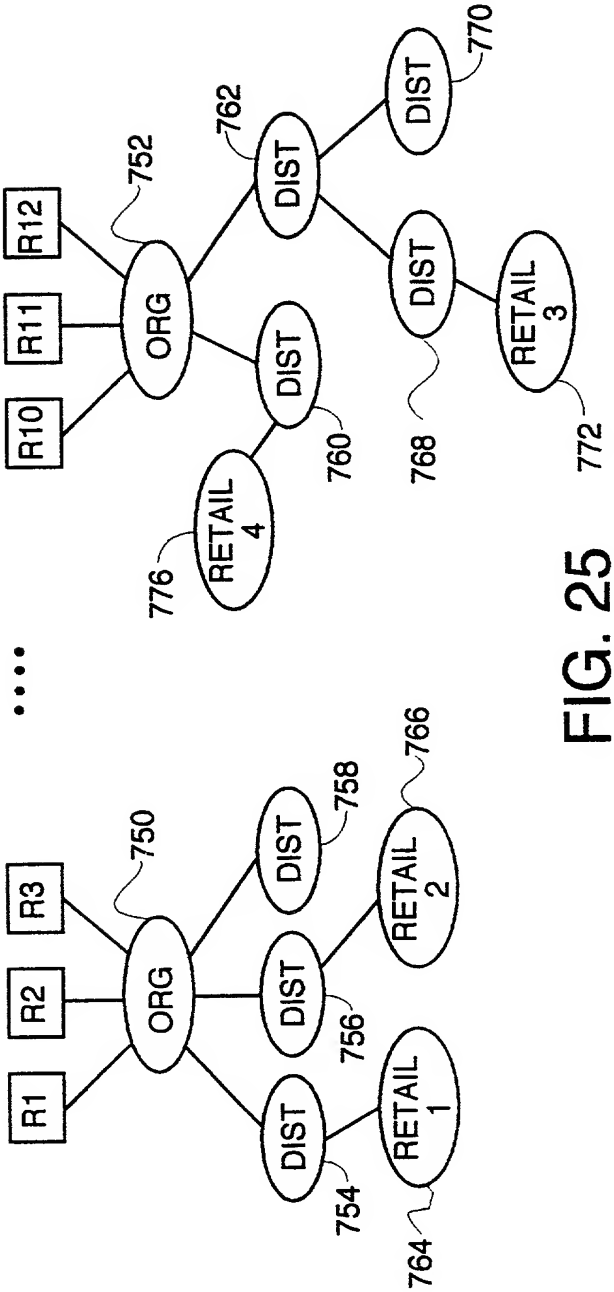
R1
R2
R3
R10
R11
R12
ORG
ORG
DIST
DIST
DIST
DIST
DIST
DIST
RETAIL 1
RETAIL 2
RETAIL 3
RETAIL 4
750
752
754
756
758
760
762
764
766
768
770
772
776

FIG. 25

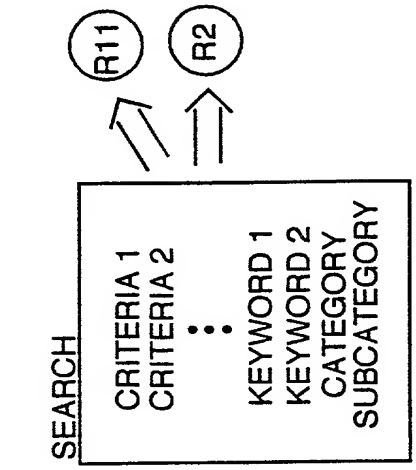
780
ORG
SEARCH
CRITERIA 1
CRITERIA 2
KEYWORD 1
KEYWORD 2
CATEGORY
SUBCATEGORY
R11
R2

FIG. 26

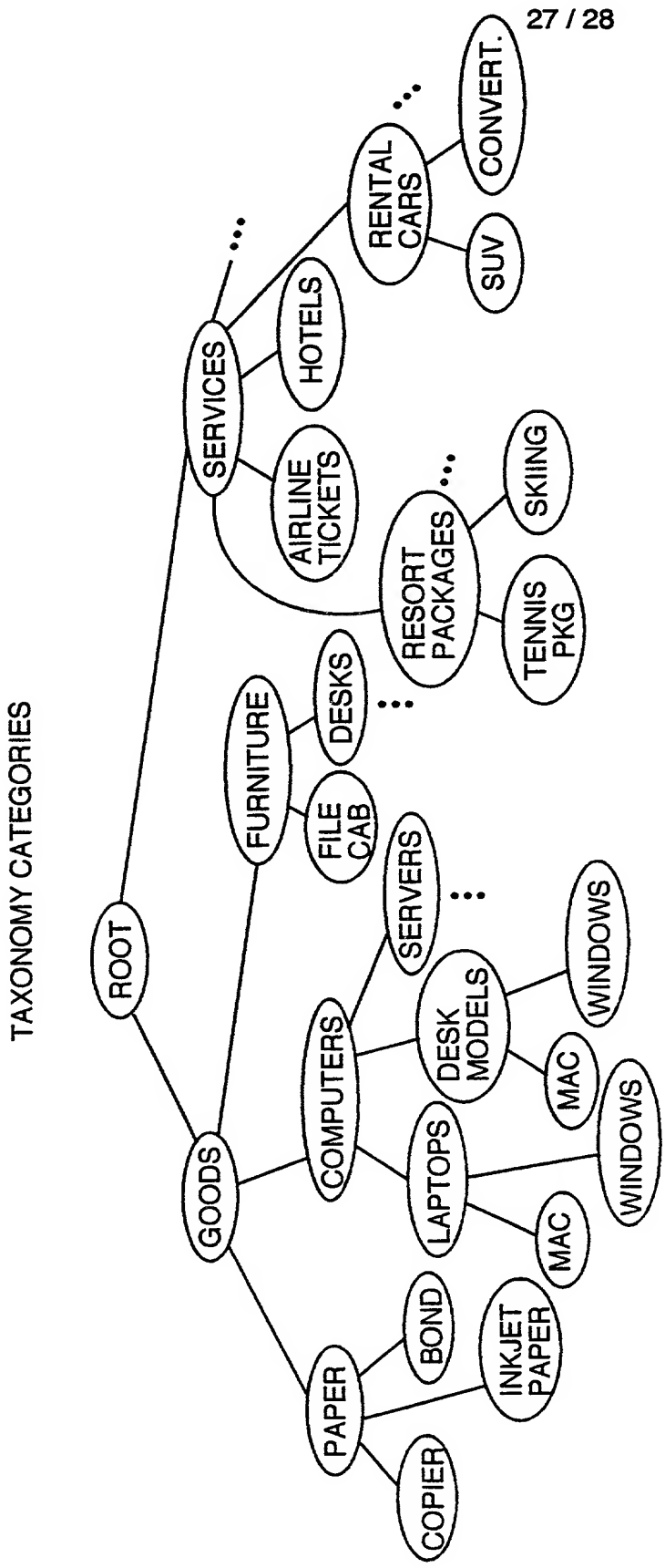
TAXONOMY CATEGORIES
ROOT
GOODS
SERVICES
HOTELS
AIRLINE TICKETS
RENTAL CARS
CONVERT.
SUV
RESORT PACKAGES
SKIING
TENNIS PKG
FURNITURE
DESKS
FILE CAB
COMPUTERS
SERVERS
DESK MODELS
WINDOWS
MAC
LAPTOPS
WINDOWS
MAC
PAPER
BOND
INKJET PAPER
COPIER

FIG. 27

SERVER PROCESSINGTO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

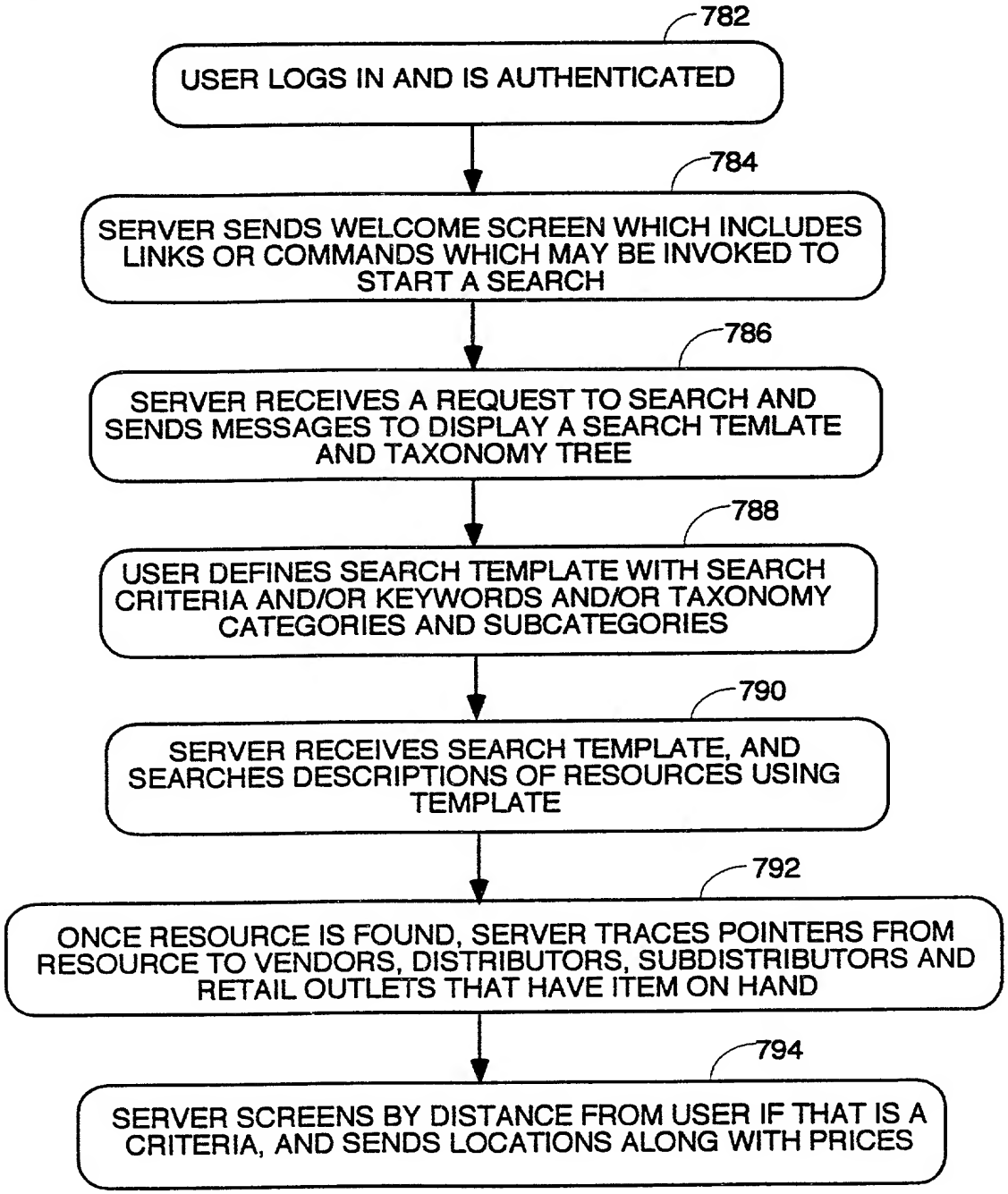

FIG.28